Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2018-02-20-09 **Date: 23-02-2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-02-2018
Sample ID No	:	2018-02-20-09 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	21-02-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.89	–
2	Finess by Air permeablity method (m^2/kg,Min)	287.6	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2018-02-20-09 **Date: 21-03-2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-02-2018
Sample ID No	:	2018-02-20-09 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	21-02-2018
Environmental Conditions during test	:	Temperature: 26˚C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	55.5N/mm^2	Not less than 53 N/mm^2

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO BANGALORE Sig..... Date.....

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-02-20-09** **Date: 23-02-2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru-560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	20-02-2018
Sample ID No	:	2018-02-20-09 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	20-02-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	1173	1173	7.8	92.2	90-100
3	20 mm	5824	6997	46.6	53.4	30-70
4	10 mm	4729	11726	78.2	21.8	10-35
5	4.75 mm	2546	14272	95.1	4.9	0-5
6	Pan	728	15000	100.0	0	---

CIVIL Pro Sig..... Date..... BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-02-20-09** **Date: 23-02-2018**

Sample ID No : 2018-02-20-09 /02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	13.3	
3	Specific Gravity	2.68	_
4	Bulk Density(Loose) (Kg/l)	1.51	_
5	Bulk Density(Compacted) (Kg/l)	1.56	_
6	Water Absorption(%)	0.22	_

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-02-20-09** **Date: 23-02-2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-02-2018
Sample ID No	:	2018-02-20-09 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	20-02-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	423	423	8.5	91.5	90-100
3	10 mm	2537	2960	59.2	40.8	25-55
4	4.75 mm	1636	4596	91.9	8.1	0-10
5	Pan	404	5000	100	0	–

CIVIL PRO Sig..... Date..... BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2018-02-20-09 **Date: 23-02-2018**

Sample ID No : 2018-02-20-09 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.58	_
4	Bulk Density(Loose) (Kg/l)	1.52	_
5	Bulk Density(Compacted) (Kg/l)	1.58	_
6	Water Absorption(%)	0.26	_
7	Aggregate crushing Value(%)	23.26	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.14	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2018-02-20-09** **Date: 23-02-2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-02-2018
Sample ID No	:	2018-02-20-09 /03
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	20-02-2018
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	47	47	4.7	95.3	90-100	90-100	90-100	95-100
3	2.36 mm	166	213	21.3	78.7	60-95	75-100	85-100	95-100
4	1.18 mm	178	391	39.1	60.9	30-70	55-90	75-100	90-100
5	600 micron	251	642	64.2	35.8	15-34	35-59	60-79	80-100
6	300 micron	208	850	85.0	15.0	5-20	8-30	12-40	15-50
7	150 micron	71	921	92.1	7.9	0-10	0-10	0-10	0-15
8	Pan	79	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

CIVIL PRO Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-02-20-09** **Date: 23-02-2018**

Sample ID No : 2018-02-20-09 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.98	–
2	Specific Gravity	2.57	–
3	Material finer than 75 micron(%)	7.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 03/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /01
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.23 X 150.14 X 150.26	22556	8.230	525.5	23.3	23.0
2	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.46 X 150.29 X 150.87	22613	8.220	522.4	23.1	
3	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.19 X 150.10 X 150.32	22544	8.230	507.2	22.5	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-02-28-06 **Date: 24/03/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.

Agency : Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021

Customer's Reference : EE/DD/WO/232/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-02-2018

Sample ID No : 2018-02-28-06 /02

Customer ID : Concrete Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.82 X 150.51 X 150.19	22700	8.132	769.5	33.9	33.0
2	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	151.04 X 150.23 X 150.11	22691	8.164	737.4	32.5	
3	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	151.92 X 150.16 X 150.72	22812	8.206	746.0	32.7	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 03/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /03
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.28 X 150.34 X 150.35	22593	8.321	524.2	23.2	23.7
2	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.32 X 150.40 X 150.32	22608	8.356	544.9	24.1	
3	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.22 X 150.42 X 150.38	22596	8.334	535.5	23.7	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 24/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /04
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.28 X 150.34 X 150.35	22593	8.331	750.1	33.2	33.2
2	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.42 X 150.40 X 150.32	22623	8.346	744.3	32.9	
3	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.22 X 150.42 X 150.48	22596	8.364	754.7	33.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig..... Date..... BANGALORE

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 03/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /05
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.38 X 150.34 X 150.35	22608	8.361	526.8	23.3	22.9
2	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.32 X 150.37 X 150.32	22604	8.346	506.3	22.4	
3	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.32 X 150.42 X 150.38	22611	8.339	517.8	22.9	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 24/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /06
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.38 X 150.34 X 150.35	22608	8.351	730.2	32.3	31.7
2	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.32 X 150.37 X 150.32	22604	8.367	712.0	31.5	
3	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.32 X 150.42 X 150.38	22611	8.343	705.5	31.2	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 03/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /07
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.66 X 151.48 X 150.44	22822	8.154	527.2	23.1	22.9
2	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.69 X 150.47 X 150.99	22674	8.198	526.0	23.2	
3	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.49 X 150.66 X 150.95	22673	8.198	510.1	22.5	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 24/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /08
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	149.78 X 151.74 X 149.83	22728	8.149	759.1	33.4	33.4
2	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.44 X 150.79 X 150.66	22685	8.145	750.9	33.1	
3	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.98 X 150.63 X 150.59	22742	8.036	766.4	33.7	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2018-02-28-06 **Date: 03/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /09
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	149.32 X 151.44 X 150.32	22613	8.199	556.3	24.6	24.6
2	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	149.87 X 150.48 X 150.62	22552	8.145	557.0	24.7	
3	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.43 X 150.22 X 150.97	22598	8.139	553.6	24.5	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 24/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2018
Sample ID No	:	2018-02-28-06 /10
Customer ID	:	Concrete Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.24 X 149.87 X 150.31	22516	8.145	745.3	33.1	32.9
2	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	151.48 X 150.22 X 149.87	22755	8.139	748.7	32.9	
3	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.34 X 150.71 X 151.39	22658	8.153	738.6	32.6	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-02-28-06 **Date: 03/03/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.

Agency : Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021

Customer's Reference : EE/DD/WO/232/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-02-2018

Sample ID No : 2018-02-28-06 /11

Customer ID : Concrete Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	149.37 X 151.34 X 151.42	22606	8.137	522.2	23.1	23.5
2	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.87 X 151.77 X 150.73	22898	8.164	547.3	23.9	
3	Concrete Concrete Pavement	M30	24/02/2018	03/03/2018	150.38 X 150.49 X 150.37	22631	8.126	529.6	23.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

AE

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-02-28-06 **Date: 24/03/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.

Agency : Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021

Customer's Reference : EE/DD/WO/232/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-02-2018

Sample ID No : 2018-02-28-06 /12

Customer ID : Concrete Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.87 X 149.98 X 150.32	22627	8.153	744.4	32.9	32.9
2	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.88 X 150.38 X 150.89	22689	8.188	741.9	32.7	
3	Concrete Concrete Pavement	M30	24/02/2018	24/03/2018	150.11 X 151.94 X 150.37	22808	8.193	754.9	33.1	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****